

Arnaud DURAND | AI Platform / Applied AI Engineer

Paris – France

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Seeking a full-time engineering role in France or internationally | Available from 16 October 2026

Professional Experience

BPCE

Apr – 16 October 2026

AI Platform Engineering Intern

- Designed the sandbox that isolates agent tool execution in an internal agent-runtime proof of concept, with the infrastructure team; working on its Kubernetes architecture for scaling.
- Sandboxed code execution in Docker to protect the host kernel and network.
- Built an in-house schedule by constrained optimisation: 1–2 days of manual planning cut to 1 h, better optimised.

BNP Paribas

Sept 2025 – Mar 2026

Data Scientist Intern

- Administered the staging host and 75+ Docker containers running the team's internal LLM tools in daily use, namely the chat interface and the inference gateway.
- Installed Langfuse on-premise, wired in the tools (traces, cost, performance) and walked the team through LLM observability.
- Paired on a React app analysing Word reports with an LLM (comments written via the document's XML, parallel model calls): 3–5 min cut to 1–3 min, released to production after steering-committee approval.

French Red Cross

2025

Volunteer AI contributor

- Built the AI layer of a first-aid training platform used by 50+ Red Cross volunteers, with the team: RAG over a 700-page manual and a Socratic coach; presented at ChangeNow and AI for Good (2025).

Projects

droit-de-retard

2026

- Personal follow-up to a team hackathon project: drafts a delayed-flight compensation claim from the passenger's documents — the model extracts, an allow-list decides, Python computes.
- 121 deterministic offline tests, verified 2 Sept 2026; evaluation scope documented in the repo.

Diary

2025

- Audio-journal prototype: browser recording, FFmpeg conversion, FastAPI backend, cloud storage.
- Wired the upload and weekly-report workflow with an explicit analysis opt-in (React/TypeScript, Docker).

Minishell

- Shell in C: command execution, pipes, redirections and process handling with UNIX system calls.

Hackathons

1st of 12 teams: IA & Crise, French Red Cross (2025); **Track winner:** Science inFuZe (2025), an app promoting women in science; **1st place:** Google Datacenter Hardware (2024); **2nd:** LCL & Google Cloud (2024); **3rd of 25 teams:** Hackathon 54 (2024), concept taken forward. GenHack 4 (2025): built the back end and front end of a climate-downscaling project with the team. Team projects.

Technical Skills

Languages: Python, C, C++, Bash, SQL, TypeScript.

Platform: Linux, Docker, Kubernetes, Git, CI/CD, Langfuse.

Applied AI: RAG (retrieval-augmented generation), function-calling agents, offline evals, Ollama, FastAPI.

Education

École 42 Paris, 2019–2026 — project-based computer science: C/C++, UNIX/POSIX, networking, concurrency.

Community, Affiliations & Languages

GDG on Campus 42 Paris – Co-Lead Organizer since May 2026; Google talk on Gemini, 100+ attendees.

Fitness 42 – Leader & Coach (3+ years): 15+ calisthenics sessions led, 20+ people each time.

Spoken: French native; English fluent; Spanish B1.